



Improved auto backup functionality for Compass 6000™ databases

Databases are the centrepiece of a condition monitoring system. This is the secure storage location for measurement data and information related to the machine fleet for preventative maintenance (long-term trend monitoring) and analysis in the event of a failure. For this reason, automatically generated copies (backups) of the current databases on the server are indispensable and essential when implementing IT security programs to provide protection against cyber attacks.

The latest version of the Compass Auto-Backup software, type ET2220, version 3.2 has been upgraded to include the following functionalities that deliver considerable benefits for the customer. In addition, modifications to the background processes have improved system stability.

New functionalities/Customer benefits:

- From this point on, the configuration (software setup) allows the user to determine the number of database server backups that should be performed on the backup server. Thus, older backups with data which were also saved with a subsequent backup can be automatically deleted. The customer benefit, from an IT maintenance point of view, is that the user of the backup server does not have to worry about this aspect at all. Everything runs in the background without any actions by the user whatsoever.
- Due to storage requirements, a Compass backup always involves data compression. During the backup period, no new data can be saved to the database for consistency reasons (database is offline). To make this possible, the data recording software buffers the measurement data into the memory cache. Here however, the memory capacity is limited; and could result in data loss if the backup process is too long. This can be the case with large databases (data volumes). A workaround is possible through the functionality by performing the data compression first when the current databases are back "on-line" (reducing the time by half). The customer benefit is reduced risk and / or elimination of data loss to current measurement data during the backup process for large databases.